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Old Colony Planning Council

Old Colony
Metropolitan Planning Organization

UNIFIED WORK PROGRAM

For

Transportation and Transportation-Related

Planning Activities

during

1986 through 1987

Prepared
By

Old Colony Planning Council
47 West Elm Street
Brockton, MA
June, 1986

This document was prepared in accordance with 23 USC 450 by the Old Colony Metropolitan Planning Organization, under contract 24876 with the Massachusetts Department of Public Works through the cooperation of the Federal Highway Administration and under a grant from the U.S. Department of Transportation, Urban Mass Transportation Administration, under the Urban Mass Transportation Act of 1964 as amended.

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Old Colony Planning Council

Brockton Area Transit

DOCUMENT TRANSMITTAL MEMORANDUM

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ON BEHALF OF THE CHAIRMAN OF THE METROPOLITAN PLANNING ORGANIZATION (MPO), THE FOLLOWING DOCUMENT IS TRANSMITTED FOR THE IDENTIFIED PURPOSE.

Daniel M. Crane, Executive Director

PURPOSE

- [ ] Information
- [x] Approval
- [ ] Review & Comment
- [ ] A-95 Review

EDITION

- [ ] Draft
- [ ] Final Draft
- [x] Final
- [ ] MPO Endorsed
- [ ] Amendment/Revision

DOCUMENT

- [x] UWP
- [ ] TIP
- [ ] Transportation Plan
- [ ] Other

Signatory Endorsement

- [x] I Concur
- [ ] I Do Not Concur

Signature: Ann Hershfang Date: 9/10/86

Frederick P. Salvucci
Secretary of Transportation

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Brockton Area Transit

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Signature: Robert T. Tierney, MDPW Commissioner

Date: 9/9/86

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Signature: Carl D. Pitaro Date: 9/4/86

Carl D. Pitaro, Chairman of BAT

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Brockton Area Transit

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Signature: Date: 8-27-86

John J. DeMarco, President of OCPC

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Introduction

This 1986-1987 Unified Planning Work Program (UWP) documents the transportation planning activities that the Old Colony Metropolitan Planning Organization will undertake during the period September 22, 1986 to September 18, 1987. The planning activities are organized first by work element in a format that will allow efficient administration, management and reporting.

The 1986-1987 UWP describes all work to be accomplished by the Old Colony MPO with planning assistance provided under Section 8 of the Urban Mass Transportation Act (49 U.S.C. 1607(a)) and, Metropolitan Planning Funds authorized under 23 U.S.C. 104(f)(1) (PL funds).

Each transportation planning activity is described as a procedure under specific work tasks. For each procedure the anticipated accomplishment or product and the estimated man-power resources needed are also given. For each work task the total staffing requirements, task budget and sources of funding are given. For convenience in management, similar work tasks are grouped into work program elements. The work elements have been defined in accordance with UMTA Circular C8100.1.

The source of all PL funds described herein is the FHWA/MDPW PL Contract dated 9/22/86-9/18/87. The source of all UMTA funds described herein is an anticipated UMTA Section 8 Contract to be dated 9/22/86-9/18/87.

1000 GENERAL DEVELOPMENT PLANNING

In order to properly support transportation planning and to ensure that it is co-ordinated with other planning activities, a number of general planning activities must be undertaken. These activities do not involve undertaking these planning activities solely as transportation tasks, but involve the refinement and re-appraisal of basic social, economic and land-use data used for transportation planning, with information obtained from economic development, housing or water quality plans. Additionally, information obtained through the U.S. Bureau of Census specific to the regional traffic zone level is incorporated into the transportation socio-economic data base.

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 1000 - General Development Planning

TASK 1901 - Maintenance of Existing Data

OBJECTIVE:

To maintain social, economic, and land use data, including historic and current information in a format necessary to support transportation planning.

PROCEDURES:

1901.1 - Update Socio-Economic Data: Using 1980 U.S. Census, and the 1985 State Census, including,

a) Age Distribution of Population,
b) School Enrollment,
c) Dwelling Units,
d) Household Data, including-size, income, auto ownership,
e) Labor Force and Employment Data, including manufacturing, retail, service, and
f) Income, Poverty and Shelter cost data.
g) Update Title VI data as it becomes available.

Product: Updated Socio-Economic Data Files
Staffing: 10 man-days

1901.2 - Maintain Physical Data, including

a) Land Use, tabular and maps, and
b) Environmental Features, tabular and maps.

Product: Updated Physical Data Files
Staffing: 10 man-days

1901.3 - Prepare Data Displays

a) Prepare various data displays, as needed, and
b) Prepare machine processible data files, as needed.

Product: Various Data Displays, as needed
Staffing: 2 man-days

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 1000 - General Development Planning

TASK 1901 - Maintenance of Existing Data (cont'd.)

TASK TOTAL:
Staffing: 4 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal):	$3,300
	PL Funds (MDPW Match):	825
	PL Funds (Total):	$4,125
	UMTA Sec. 8 (Federal):	$ 700
	UMTA Sec. 8 (OCPC Match):	175
	UMTA Sec. 8 (Total):	$ 875
	Task Total:	$5,000

Participants: OCPC

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 1000 - Planning Program Support

TASK 1951 - Socio-Economic Forecasting

OBJECTIVE:

To develop forecasts of population and employment for short range traffic forecasting purposes through the year 1995. The long term goal of this task will be the development of regional socio-economic characteristics for a 2005 horizon.

PROCEDURE:

1951.1 - Examine simplified methodologies being employed statewide, to prepare the population and employment forecasts, and determine what information is needed by the method chosen for updating existing forecasts.

Product: Technical memorandum on forecasting method
Staffing: 2 man-days

1951.2 - Obtain the necessary information to forecast population and employment at the traffic zone level. Information available from the UTPP will serve as base year data.

Product: Socio-Economic input data
Staffing: 10 man-days

1951.3 - Forecast and update population, employment, 2005 Work Trip Tables and economic related socio-economic data at the traffic zone level for use in traffic modeling and forecasting.

Product: Socio-Economic data forecasts
Staffing: 10 man-days

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 1000 - Planning Program Support

TASK 1951 - Socio-Economic Forecasting (cont'd.)

TASK TOTAL:

Staffing: 4 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal):	$3,300
	PL Funds (MDPW Match):	825
	PL Funds (Total):	$4,125
	UMTA Sec. 8 (Federal):	$ 700
	UMTA Sec. 8 (OCPC Match):	175
	UMTA Sec. 8 (Total):	$ 875
	Task Total:	$5,000

Participants: OCPC

2000 PLANNING PROGRAM SUPPORT

In order to properly support and effectively control the transportation planning activities of the MPO, a number of program support activities must be undertaken. As a whole these tasks allow the functioning and the continued certification in accordance with the Commonwealth of Massachusetts and U.S. DOT requirements.

For management sake each of these is separated into distinct tasks.

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1985-1986 UWP

ELEMENT 2000 - Planning Program Support

TASK 2001 - 3C Program Support

OBJECTIVE:

To assist, support and provide the capability to maintain an open, comprehensive, co-operative and continuing transportation planning and programming process at all levels of government in conformance with applicable Federal and State requirements and guidelines.

PROCEDURES:

2001.1 - Provide administrative and technical support to the 3C regional planning process such as:

a) Providing liason and technical assistance on transportation planning matters to all OCPC communities.
b) Reviewing Federal and State transportation programs as may be required.
c) Providing inter-agency co-ordination with other transportation agencies, including MDPW, RPA's and RTA's.
d) Provide information on project completion to DEQE and other agencies as needed.
e) Provide information on project completion to private transit operators.
f) Provide coordination between public and private interest groups.
g) Provide an annual update of the Bibliography of Transportation Planning Studies.

Product: Inter-agency meetings, memorandum and correspondence on various aspects of the transportation planning program.

Staffing: 30 man-days

2001.2 - Provide co-ordination for Metropolitan Planning Organization activities including the presentation of transportation plans and programs (e.g. UWP, Transportation Plan, TIP) to the MPO for appropriate action.

Product: MPO operation

Staffing: 10 man-days

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1985-1986 UWP

ELEMENT 2000 - Planning Program Support

TASK 2001 - 3C Program Support (cont'd.)

2001.3 - Co-ordinate all transportation planning activities with all other comprehensive planning programs and activities for the region.

Product: Co-ordination with all comprehensive planning.
Staffing: 10 man-days

TASK TOTAL:
Staffing: 10 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal Share):	$7,920
	PL Funds (MDPW Match):	1,980
	PL Funds Total:	$9,900
	UMTA Sec. 8 (Federal Share):	$1,680
	UMTA Sec. 8 (OCPC Match):	420
	UMTA Sec. 8 (Total):	$2,100
	Task Total:	$12,000
Participants:	OCPC	

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 2000 - Planning Program Support

TASK 2201 - Unified Work Program

OBJECTIVE:

To annually describe all transportation and transportation-related planning activities in conformance with applicable Federal and State requirements and guidelines.

PROCEDURES:

2201.1 - In conformance with applicable Federal and State guidelines maintain a Unified Work Program which describes all transportation and transportation-related planning activities anticipated within the area during a one-year period regardless of funding sources.

Product: Unified Work Program amendments as needed.
Staffing: Negligible

2201.2 - In conformance with applicable Federal and State guidelines, continually maintain a Prospectus which describes
a) the planning program and procedures,
b) and the functional responsibilities of participating agencies.

Product: Updated Prospectus by reference in the UWP.
Staffing: Negligible

2201.3 - Prepare the 1987-1988 Unified Work Program.

Product: Endorsed 1987-1988 UWP
Staffing: 6 man-weeks

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 2000 - Planning Program Support

TASK 2201 - Unified Work Program (cont'd.)

TASK TOTAL:

Staffing: 7 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal):	$5,280
	PL Funds (MDPW Match):	1,320
	PL Funds (Total):	$6,600
	UMTA Sec. 8 (Federal):	$1,120
	UMTA Sec. 8 (OCPC Match):	280
	UMTA Sec. 8 (Total):	$1,400
	Task Total:	$8,000

Participants: OCPC

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1985-1986 UWP

ELEMENT 2000 - Planning Program Support

TASK 2301 - Public Participation

OBJECTIVE:

To provide adequate public awareness of and input to the transportation planning program, and adequate program response to public concerns.

PROCEDURES:

2301.1 - Provide staff support for traditional public participation including,

a) The monthly meetings of the Joint Transportation Committee
b) The preparation of transportation planning information as may be requested by community groups in the area (i.e. League of Women Voters, Council's on Aging, Community Action Corporations, private interest groups, etc.).
c) Develop a process for participation by handicapped community in the 504 program.

Product: Participation in public meetings
Staffing: 4 1/2 man-days/month

2301.2 - Prepare and distribute a series of quarterly newsletters. These newsletters will be in the form of public relations reports which indicate the status of transportation programs and activities in the region.

Product: Quarterly newsletters
Staffing: 10 man-days/quarter

2301.3 - Prepare articles and documentation related to transportation planning including:

a) bi-monthly articles for the OCPC Newsline and for the OCPC Annual Report.

b) prepare and update documents for the use of the JTC membership and community officials such as the Community Handbook Easton/Raynham Commuter Rail Feasibility Study and OCPC Transportation Funding Guide as necessary.

Product: Articles in OCPC Newslines and OCPC Annual Report.
Staffing: 1 1/2 man-days/month

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 2000 - Planning Program Support

TASK 2301 - Public Participation (cont'd.)

TASK TOTAL:
Staffing: 20 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal):	$12,870
	PL Funds (MDPW Match):	3,218
	PL Funds (Total):	$16,088
	UMTA Sec. 8 (Federal):	$ 2,730
	UMTA Sec. 8 (OCPC Match):	683
	UMTA Sec. 8 (Total):	$ 3,413
	Task Total:	$19,500
Participants:	OCPC	

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 2000 - Planning Program Support

TASK 2401 - Transit Technical Assistance (Non-BAT)

OBJECTIVE:

To respond to short-range transit planning needs upon request from area communities, not members of the Brockton Area Transit Authority (BAT).

PROCEDURES:

2404.1 - Provide technical planning assistance to area communities outside the transit authority, on transit matters. This assistance can take the form of assisting the towns in assessing membership in a transit authority, in assisting the towns in providing for private carrier service, in identifying and assessing park-and-ride lots, etc.

Product: Technical assistance to area communities.
Staffing: 2 man-weeks

TASK TOTAL:

Staffing: 2 man-weeks

		1986-1987
Budget: Source of Funding	UMTA Sec. 8 (Federal):	$1,600
	UMTA Sec. 8 (OCPC Match):	400
	UMTA Sec. 8 (Total):	$2,000
	Task Total:	$2,000
Participants:	OCPC	

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1985-1986 UWP

ELEMENT 2000 - Planning Program Support

TASK 2451 - Transit Technical Assistance (BAT)

OBJECTIVE:

To respond to short-range transit planning needs upon request from the Brockton Area Transit Authority and its member communities.

PROCEDURES:

2451.1 - Provide technical planning assistance to the Brockton Area Transit Authority on transit matters. This assistance can take the form of assistance in meeting federal reporting requirements, in assessing route, schedule and fare changes, in assessing manpower and equipment needs, etc.

Product: Technical assistance to BAT
Staffing: 6 man-weeks

TASK TOTAL:

Staffing: 6 man-weeks

		1986-1987
Budget: Source of Funding	UMTA Sec. 8 (Federal):	$4,400
	UMTA Sec. 8 (OCPC Match):	1,100
	UMTA Sec. 8 (Total)	$5,500
	Task Total:	$5,500
Participants:	OCPC	

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 2000 - Planning Program Support

TASK 2501 - Local Highway Transportation Planning Technical Assistance

OBJECTIVE:

To respond to short-range highway transportation planning needs upon request from member communities.

PROCEDURES:

2501.1 - Provide technical planning assistance to member communities, on highway transportation planning matters. In cooperation with interested local and State representations, the council staff will perform work on specific short-range highway planning tasks. This assistance can take the form of performing; Intersection Analysis; Accident Analysis; Parking Analysis; Trip Generation Estimation Analysis and other short-range studies to determine the need for traffic signals, traffic signs, traffic markings and the use of one-way streets.

Product: Technical assistance to member communities.

Staffing: 13 man-weeks

TASK TOTAL:

Staffing: 13 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal):	$12,000
	PL Funds (MDPW Match):	3,000
	PL Funds (Total):	$15,000
	Task Total:	$15,000
Participants:	OCPC	

3000 TRANSPORTATION SYSTEMS SURVEILLANCE

A major requirement of planning is to know what is actually happening in the real world. Surveillance activities are designed to do just that by gathering data on transportation resources, their use, and demand for their use. This information is used to locate and define problems for further study, define requirements for plans and designs, develop programming priorities and evaluate the success of projects after implementation.

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 3000 - Transportation Systems Surveillance

TASK 3001 - Highway Data Surveillance

OBJECTIVE:

To maintain an up-to-date file of characteristics of the highway system, its demand, and its use.

PROCEDURES:

3001.1 - Review, monitor and update the following highway systems data on an ongoing basis including,

a) State Road Inventory
b) Parking Supply
c) Traffic Accident
d) Traffic Control Devices
e) Vehicle Classification
f) State VMT Estimates

Product: Updated Data Files
Staffing: 2 man-days/month

3001.2 - Undertake travel time surveys and/or vehicle occupancy studies as required in various planning tasks and to maintain and update this regional information.

Product: Travel Time and Vehicle Occupancy Reports
Staffing: 8 man-days

3001.3 - Undertake a traffic counting program in coordination with municipal and MDPW officials including;

a) conduct 48-hour traffic counts using mechanical recorders and conduct manual turning movement counts at the request of the MDPW. and, municipalities within the region, and as needed for planning purposes.
b) prepare and report primary data collected to host municipalities and MDPW.
c) maintain a comprehensive file of traffic count records.
d) purchase equipment and supplies as necessary.

Product: Traffic Counting Program
Staffing: 7 man-weeks

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 3000 - Transportation Systems Surveillance

TASK 3001 - Highway Data Surveillance (cont'd.)

3001.4 - Conduct 48-hour traffic counts, at approximately 34 locations within the OCPC region, as part of MDPW's State-wide traffic conducting program.

Product: Traffic counts
Staffing: 8 man-weeks

3001.5 - Prepare data displays and reductions as needed for transportation planning purposes.

Product: Highway Data Displays
Staffing: 1 man-day/month

TASK TOTAL:
Staffing: 19 man-weeks

	1986-1987
PL Funds (Federal):	$18,160
PL Funds (MDPW Match):	4,540
PL Funds (Total):	$22,700
Task Total:	$22,700

Participants: OCPC

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 3000 - Transportation Systems Surveillance

TASK 3011 - Accident Reporting System

OBJECTIVE:

To maintain an up-to-date file of characteristics of the Accident Reporting System for the participating Communities, its demand, and its use.

PROCEDURES:

3011.1 - Receive, edit, organize, compile and enter data reported to the regional data base monthly, and provide:

a) supervision of clerical support staff in electronic data entry;
b) answers to requests from the state, municipalities or the general public for specific information available from the system.
c) annual accident summary reports for distribution to the state and participating municipalities.

Product: Technical Memorandum
Staffing: 5 man-day (each community)

3011.2 - Implement and receive, edit, organize and compile accident data from Route 24 and Route 3 and distribute the data to the appropriate communities participating in the system

Product: Expand the Accident Reporting System to include accidents occurring on Route 24 and Route 3.
Staffing: 2 man-days (Each community)

3011.3 - Implement the Accident Reporting System, whereby non-participating OCPC communities can join the regional Accident Reporting Program. Including:

a) Contact personnel in non-participating communities responsible for maintaining and updating accident reports and provide information on the existence of a regional Accident Reporting System and solicit participation in the program.
b) Instruct responsible personnel in the recording of municipal accident data onto coding sheets.
c) Periodically answer requests for additional assistance in set-up and operation of local coding procedures.

Product: Expand the Regional Accident Reporting System to include non-participating member communities.
Staffing: 3 man-days (each community)

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1985-1986 UWP

ELEMENT 3000 - Transportation Systems Surveillance

TASK 3011 - Accident Data Reporting (cont'd.)

TASK TOTAL:
Staffing: 12 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal):	$10,560
	PL Funds (MDPW Match):	2,640
	PL Funds (Total):	$13,200
	Task Total	$13,200
Participants:	OCPC	

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1985-1986 UWP

ELEMENT 3000 - Transportation Surveillance

TASK 3051 - Transit Data Surveillance

OBJECTIVE:

To maintain an up-to-date file of characteristics of transit resources, including private bus operators its demand and its use.

PROCEDURES:

3051.1 - Maintain and update file of the public and private bus systems including,
- a) carriers
- b) routes and stops
- c) schedules
- d) ridership
- e) equipment, and
- f) fares, and
- g) park 'n ride facilities and services

Product: Updated Bus Data Files
Staffing: 5 man-days

3051.2 - Update file on rail passenger service including,
- a) rail facilities (tracks, ROW's and stations)
- b) schedules and fares

Product: Updated Rail Data Files
Staffing: 2 man-days

3051.3 - Update file on public and private para-transit service, including,
- a) operators
- b) equipment
- c) service (fare, schedules, etc.)

Product: Updated Para-Transit Data File
Staffing: 3 man-days

3051.4 - Prepare data displays and reductions as needed for transportation planning purposes.

Product: Transit Data Displays
Staffing: Negligible

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1985-1986 UWP

ELEMENT 3000 - Transportation Systems Surveillance

TASK 3051 - Transit Data Surveillance (cont'd.)

TASk TOTAL:

Staffing: 2 man-weeks

		1986-1987
Budget: Source of Funding	UMTA Sec. 8 (Federal):	$1,701
	UMTA Sec. 8 (OCPC Match):	425
	UMTA Sec. 8 (Total):	$2,126
	Task Total:	$2,126
Participants:	OCPC	

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1985-1986 UWP

ELEMENT 3000 - Transportation Systems Surveillance

TASK 3061 - BAT Ridership Monitoring & Evaluation

OBJECTIVE:

To monitor and analyze BAT ridership trends and evaluate system progress in meeting service goals and objectives. To develop data on current ridership and costs by route and time of day. To determine ridership by specialized users.

PROCEDURES:

3061.1 - Collect and process BAT ridership data from driver cards, and use to prepare regular monthly reports (all months except March and October).

Product: BAT monthly ridership reports
Staffing: 20 man-days

3061.2 - Collect and process BAT ridership data from driver cards, and use to prepare semi-annual in-depth analysis of performance and ridership. (March and October).

Product: BAT Semi-Annual Ridership Reports
Staffing: 20 man-days

TASK TOTAL:

Staffing: 8 man-weeks

		1986-1987
Budget: Source of Funding	UMTA Sec. 8 (Federal):	$4,512
	UMTA Sec. 8 (OCPC Match):	1,128
	UMTA Sec. 8 (Total):	$5,640
	BAT	$3,750
	Task Total:	$9,390
Participants:	OCPC	

4000 DEVELOPMENT OF A TRANSPORTATION PLAN

This work element sets the direction for major transportation development activities in the region. As such it is concerned with continuously updating projects dealing with the demand for transportation; development of a transportation plan which encompasses a Long Range Element (LRE) and a Short-Range Element, both incorporating the concept of Transportation Systems Management; a further detailing of the broad findings and recommendations of the Plan in plan refinement; and special purpose plans addressing such items as air quality, energy and the elderly and handicapped.

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 4000 - Development Of A Transportation Plan

TASK 4001 - Modeling and Forecasting

OBJECTIVE:

To utilize forecasts of the region's socio-economic, demographic, and land use characteristics to project potential-transportation demands. This will be accomplished through the continued development, maintenance and application of traditional four step computer modeling in a micro-computer environment, sketch planning, quick response and other appropriate techniques.

PROCEDURES:

4001.1 - Development, maintenance and application of sketch planning, quick response and other non-data intensive forecasting methods including development of computer programs for a micro-computer. Development is to take place through staff participation in courses, seminars, workshops and review of literature.

Product: Traditional computerized highway network
Staffing: 8 man-weeks

TASK TOTAL:
Staffing: 8 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal):	$6,800
	PL Funds (MDPW Match):	1,700
	PL Funds (Total):	$8,500
	UMTA Sec. 8 (Federal):	$1,200
	UMTA Sec. 8 (OCPC Match):	300
	UMTA Sec. 8 (Total):	$1,500
	Task Total:	$10,000
Participants:	OCPC	

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 4000 - Development Of A Transportation Plan

TASK 4101 - Transportation Plan

OBJECTIVE

To continue the development, refinement, and documentation of the Transportation Plan for the Old Colony Region that is consistent with the region's comprehensive long-range land use plan and the urban development, social, economic, environmental, systems performance and energy conservation goals and objectives of the region. The annual update will focus on highway and transit plan refinements completed during the year. Major updates will be undertaken as needed for the entire plan to reflect significant changes within the regional context which support the long range element.

PROCEDURES:

4101.1 - Reassess the existing conditions as documented in the current Transportation Plan. The following indicators are among those that will be reassessed:

a) Population
b) Employment
c) Vehicle miles of travel
d) Travel speed
e) Number of person-trips
f) Trip time
g) Fuel consumption and
h) Air pollutant emissions

Product: Executive summary (one section for each Plan Refinement)
Staffing: 1/2 man-day

4101.2 - Reassess the forecast conditions as documented in the current Transportation Plan. The following indicators are among those that will be reassessed:

a) Future population
b) Future employment
c) Future vehicle miles of travel
d) Future travel speed
e) Future number of person-trips
f) Future trip time
g) Future fuel consumption, and
h) Future air pollutant emissions

Product: Executive Summary (one section for each Plan Refinement)
Staffing: 1/2 man-day

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 4000 - Development Of A Transportation Plan

TASK 4101 - Transportation Plan (cont'd.)

4101.3 - Reassess the transportation needs as documented in the current Transportation Plan. Clearly identify the transportation problem areas in terms of congestion, safety, energy consumption air pollution, etc.

Product: Technical memorandum
Staffing: 1 1/2 man-day

4101.4 - Reasses the development and analysis of alternatives as documented in the current Transportation Plan. Review both the Long Rand and Short Range alternatives and undertake the appropriate actions including development of alternatives not previously studied, updating the analysis of previously studied alternatives, packaging and staging groups of alternatives, etc.

Product: Executive Summary (one section for each Plan Refinement)
Staffing: 1 man-day

4101.5 - Reasses the Transportation Plan recommendations and conclusions, based on updated socila, economic, safety, efficiency, air quality, cost, energy consumption and other considerations.

Product: Executive Summary (one section for each Plan Refinement)
Staffing: 1 man-day

4101.6 - Update the Transportation Plan, including both the Long Range and Short Range elements with emphasis on the short-range recommendations made in Plan Refinements.

Product: Updated Transportation Plan
Staffing: 1/2 man-day

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 4000 - Development Of A Transportation Plan

TASK 4101 - Transportation Plan (cont'd.)

4101.7 - Update the report "Transportation Publications of the Old Colony Planning Council".

Product: Updated Bibliography
Staffing: Negligible

TASK TOTAL:
Staffing: 2 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal):	$2,201
	PL Funds (MDPW Match):	550
	PL Funds (Total):	$2,751
	UMTA Sec. 8 (Federal)*	$ 467
	UMTA Sec. 8 (OCPC Match):	117
	UMTA Sec. 8 (Total):	$ 584
	Task Total	$3,335
Participants	OCPC	

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 4000 - Development Of A Transportation Plan

TASK 4301 - Highway Plan Refinement

OBJECTIVE:

To refine the highway component of the transportation plan through the conduct of corridor, subarea, staging, feasibility, location, legislative, fiscal, functional classification and institutional studies.

PROCEDURES:

4301.1 - Study Design

For each Plan Refinement project, prepare a Study Design, outlining the scope of the area and the problem to be examined and the methods and data to be used. Obtain the approval of the MDPW and the FHWA before proceeding further.

Product: Study Design (one for each project)
Staffing: Negligible

4301.2 - Existing Conditions

Compile all pertinent demographic characteristics, land use and zoning ordiances, economic profiles, environmentally sensitive locations, and historic site locations that describe the study area, in both a regional and local context. Compile all pertinent travel characteristics, transportation supply, transportation facility counts, and safety records that describe the existing travel conditions.

Product: Technical memoranda on existing conditions (one for each project).
Staffing: 5 man-weeks

4301.3 - Summary of Forecasts

Describe the population, employment, land use and travel projections of the study area focusing on previous studies and local attitudes toward growth.

Product: Technical memoranda on Forecasts (one for each project).
Staffing: 4 man-weeks

4301.4 - Identification of Transportation Needs

Discuss the transportation-related problems and issues in the study area as identified by OCPC staff and participants in the public participation process.

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 4000 - Development Of A Transportation Plan

TASK 4301 - Highway Plan Refinement (cont'd.)

Product: Technical memoranda on Transportation Needs (one for each project).
Staffing: 7 man-weeks

4301.5 - Development of Alternatives
Describe possible improvements which could be implemented in the study area.

Product: Technical Memoranda on Development of Alternatives (one for each project).
Staffing: 5 man-weeks

4301.6 - Analysis of Alternatives
Assessment of possible improvements to include transportation impacts, work scheduling cost estimates, an investigation of traditional and alternative sources of funding, potential impact on the environment (particularly air quality), energy consumption, community support and consistency with federal, state and local policies.

Product: Technical Memoranda on Analysis of Alternatives (one for each project).
Staffing: 12 man-weeks

4301.7 - Conclusions and Recommendations
Based on the analysis, public review and funding availability, discuss the conclusions and recommendations along with the necessary administrative steps to be taken by federal, state and local officials in order to implement the recommended actions.

Product: Final Report of Findings (one for each project).
Staffing: 4 man-weeks

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 4000 - Development Of A Transportation Plan

TASK 4301 - Highway Plan Refinement (cont'd.)

TASK TOTAL:

Staffing: 37 man weeks

		1986-1987
Budget: Source of Funding	FHWA PL Funds (Federal):	$30,960
	FHWA PL Funds (MDPW Match):	7,740
	FHWA PL Funds (Total):	$38,700
	Task Total	$38,700

Participants: OCPC

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 4000 - Planning Program Support

TASK 4411 - Elderly and Handicapped Support

OBJECTIVE:
To ensure the accessibility to public for the elderly and handicapped.

PROCEDURES:

4411.1 - Provide support for the planning and justification of an expanded 16(b)(2) program.

Product: List of eligible 16(b)(2) applicants, support of program applications.
Staffing: 1 man-week

4411.2 - Update needs assessments of elderly and handicapped population for additional transit services.

Product: Technical memorandum of needs for T.H. services.
Staffing: 2 man-days

4411.3 - Assess regional compliance with Section 504 requirements.

Product: Technical memorandum.
Staffing: 3 man-days

TASK TOTAL:
Staffing: 2 man-weeks

1986-1987

Budget: Source of Funding

UMTA Sec. 8 Funds (Federal):	$1,600
UMTA Sec. 8 Funds (OCPC Match)	400
UMTA Sec. 8 Funds (Total):	$2,000
Task Total:	$2,000

Participants: OCPC

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1985-1986 UWP

ELEMENT 4000 - Planning Program Support

TASK 4501 - Private Sector Liaison

OBJECTIVE:

To encourage private sector involvement, enhance participation opportunities and to further assess the feasibility of market place competition for transit operations within the OCPC region.

PROCEDURES:

4501.1 - Maintain and update files on private Enterprise Participation including:

a) To develop/refine MPO policy statement regarding Private Enterprise Participation.
b) To develop/refine complaint resolution procedure for the MPO.
c) Inventory of private sector providers within OCPC.
d) Facilitate ongoing communication with private providers as deemed appropriate.
e) Determine level of interest of private sector.
f) Review ongoing UMTA directives relative to private sector participation.

Product: Update inventory of private sector providers and establish MPO policy statement on Private Enterprise Participation.

Staffing: 2 man-weeks

		1986-1987
Budget: Source of Funding	UMTA Sec. 8 (Federal):	$2,000
	Task Total:	$2,000
Participants:	OCPC	

5000 TRANSPORTATION IMPROVEMENT PROGRAMMING

The end result of the transportation planning process is not plans, but the development of a program of projects for implementation. The programming process allows the opportunity for projects recommended by the planning process to be selected and scheduled for implementation. These projects are given priorities with respect to other area projects and are grouped into an orderly staging of similar projects.

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 5000 - Transportation Improvement Programming

TASK 5101 - Development Of The Transportation Improvement Program

OBJECTIVE:

To develop a staged multi-year program of transportation improvements projects that is consistent with the region's transportation plan.

PROCEDURES:

5101.1 - a) Develop a Transportation Improvement Program (TIP) that is consistent with the regions' highway and transit goals and objectives that shall:

1) Identify all transportation improvements for the region recommended for advancement during the program period;
2) Indicate the area's priorities;
3) Group improvements of similar urgency and anticipated staging into appropriate staging periods;
4) Include realistic estimates of total costs and revenues for the program period; and
5) Include a discussion of how improvements from the long-range element and the short range element were merged into this program; and
6) Include a narrative description of the procedures for TIP, production, review and endorsement (i.e. public participation, MPO, private enterprise and local officials).
7) Include a narrative description of the procedures for private participation and the progress towards making a special efforts to encourage private participation
8) Include a narrative description of the progress toward making a special effort to meet the elderly and handicapped needs; document the progress of old project and planning programs of new special efforts for elderly and handicapped; and

b) An Annual Element of the TIP shall include:

1) Sufficient descriptive material (i.e. type of work, termini, length, etc.) to identify the project;
2) Estimated total cost and the amount of Federal funds (Section 9 and Section 3 discretionary funds as appropriate), proposed to be obligated during the program year;
3) Proposed source of Federal and non-Federal funds; and
4) Identification of the recipient and state and local agencies responsible for carrying out the project.

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 5000 - Transportation Improvement Programming

TASK 5101 - Development Of The Transportation Improvement Program (cont'd.)

c) Prepare an air quality conformance determination in accordance with the procedures outlined in the 1982 State Implementation Plan for Massachusetts. This determination will be based on the Old Colony MPO certification documents prepared during the preceeding year. The endorsement of the TIP shall serve as the MPO's official determination of air quality consistency. This includes quantification of air quality impacts associated with annual element projects.

Product: FY87 Transportation Improvement Program (FY87)

TASK TOTAL:

Staffing: 8 man-weeks

		1986-1987
Budget: Source of Funding	PL Funds (Federal):	$5,610
	PL Funds (MDPW Match):	1,403
	PL Funds (Total):	$7,013
	UMTA Sec. 8 (Federal):	$1,190
	UMTA Sec. 8 (OCPC Match):	298
	UMTA Sec. 8 (Total):	$1,488
	Task Total	$8,500
Participants:	OCPC	

6000 SPECIAL STUDIES

In the course of conducting transportation and transportation-related planning activities, it is often the case that certain activities are called for which do not fit into the existing work program elements. When this is the case those activities are programmed under the element heading of Special Studies.

No Special Study work tasks have been identified for this work program. However, as a contingency $5,000 is provided to be used should a particular need a rise. If needed study design will be developed for approval of BTP&D & FHWA.

7000 RELATED STUDIES

These studies do not appear on the UWP Summary tables since they are not being carried out under the direct management of the UWP process. They are included here, however, to indicate all other transportation and transportation-related planning activities which relate to those activities being conducted under the UWP.

OLD COLONY
METROPOLITAN PLANNING ORGANIZATION
1986-1987 UWP

ELEMENT 7000 -

TASK 7001 - BTP&D Technical Assistance*

OBJECTIVE:

To provide support and assistance to MPOs Statewide in traffic collection analysis and forecasting.

PREVIOUS WORK:

Technical assistance in travel-demand model development and procedures, Energy Conservation Related Activities, Road Inventory Information, traffic Volume Counting, Highway Functional Classification, Highway Needs Identification, Traffic Analysis & Forecasts and Regional Planning and liaison activities.

PROCEDURES:

Continue to provide technical support and assistance in the following 1986 HPR-PL Work Program Elements:

2.3 Statewide Traffic Volume Counting
2.4 Traffic Analysis and Forecasting

Detailed descriptions for the above work elements are set forth in the "1986 Highway Planning Program HPR-PL-1 (20) Part 1".

Products:

Improved technical capability to carry out the 3C transportation planning process.

*NOTE: Funding for this task is $30,000 in PL funds which have been programmed in the 1986 HPR-PL Work Program for use by BTP&D during calendar year 1986 in all urbanized regions. This $30,000 is in addition to and not included in the PL funds to be used by the OCPC in carrying out the work set forth in this Unified Work Program.

PROSPECTUS

Introduction

Because the Prospectus, A Description of the Transportation Planning Process, in the Old Colony Region, changes slowly over time, the Old Colony MPO has opted to endorse the Prospectus by re-examining the current PROSPECTUS and publishing and distribution only specific changes to the Prospectus. This serves to stem the tide of proliferating documents and minimizes the effort required to maintain the currentness of the document. For these reasons the 1979 Prospectus was prepared with a detachable binder, and has been updated with changes, which have been inserted.

With the 1985 Prospectus, the re-endorsement of the Prospectus shall be by reference in the Unified Work Program. There are no changes to the existing Prospectus. This re-endorsement for 1986 shall serve to approve the Prospectus as it is currently written.

OLD COLONY PLANNING COUNCIL
1986-1987 BUDGET

ELEMENT	TASK	DESCRIPTION	FUNDING SOURCE FHWA	MDPW	SEC. 8	OCPC	BAT	TOTAL
1000		GENERAL DEVELOPMENT PLANNING						
	1901	MAINTENANCE OF EXISTING DATA	3300	825	700	175		5000
	1951	SOCIO-ECONOMIC FORECASTING	3300	825	700	175		5000
2000		PLANNING PROGRAM SUPPORT						
	2001	3C PROGRAM SUPPORT	7920	1980	1680	420		12000
	2201	UNIFIED WORK PROGRAM	5280	1320	1120	280		8000
	2301	PUBLIC PARTICIPATION	12870	3218	2730	683		19500
	2401	TRANSIT TECHNICAL ASSIT.(NON-BAT)			1600	400		2000
	2451	TRANSIT TECHNICAL ASSIT.(BAT)			4400	1100		5500
	2501	HWY LOCAL TECH. ASSIST.	12000	3000				15000
3000		TRANSPORTATION SYSTEMS SURVEILLANCE						
	3001	HIGHWAY DATA SURVEILLANCE	18160	4540				22700
	3011	ACCIDENT DATA REPORTING	10560	2640				13200
	3051	TRANSIT DATA SURVEILLANCE			1701	425		2126
	3061	BAT RIDERSHIP MONITORING			4512	1128	3750	9390
4000		DEVELOPMENT OF A TRANSPORTATION PLAN						
	4001	MODELING AND FORECASTING	6800	1700	1200	300		10000
	4101	TRANSPORTATION PLAN	2201	550	467	117		3335
	4301	HIGHWAY PLAN REFINEMENT	30960	7740				38700
	4411	ELDERLY AND HANDICAPPED SUPPORT			1600	400		2000
	4501	PRIVATE SECTOR LIAISON			2000			2000
5000		TRANSPORTATION IMPROVEMENT PROGRAM						
	5101	DEVELOPMENT OF THE TRANSPORTATION IMPROVEMENT PROGRAM	5610	1403	1190	298		8500
6000		SPECIAL STUDIES						
		CONTINGENCY	4000	1000				5000
TOTALS			122961	30740	25600	5900	3750	
			153701		31500		3750	188951